

FIG. 1

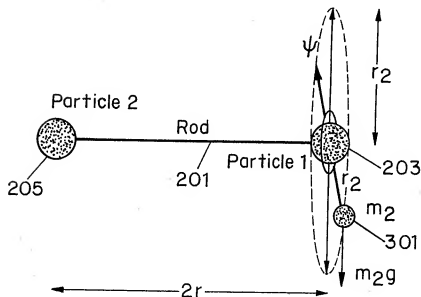


FIG. 3

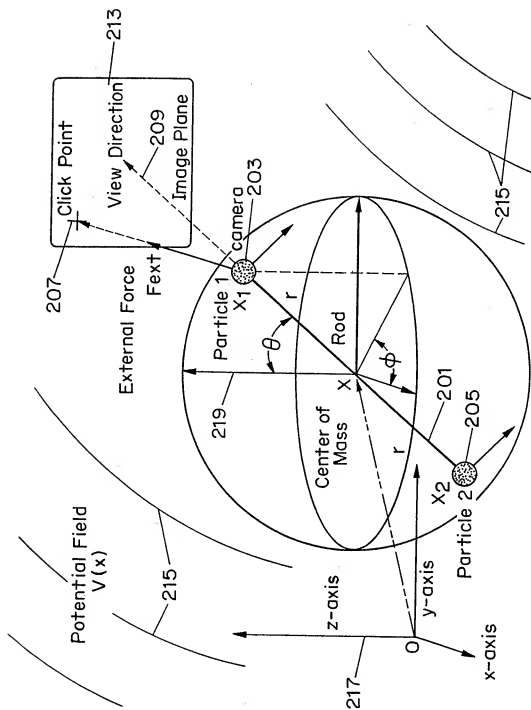


FIG. 2

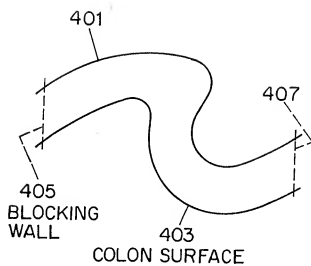


FIG. 4

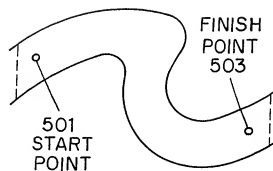


FIG. 5

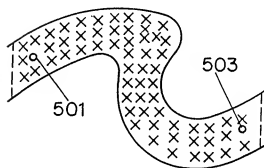


FIG. 6

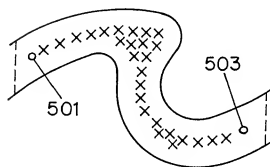


FIG. 7

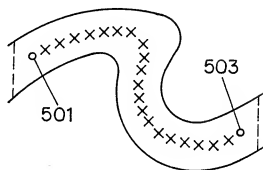


FIG. 8

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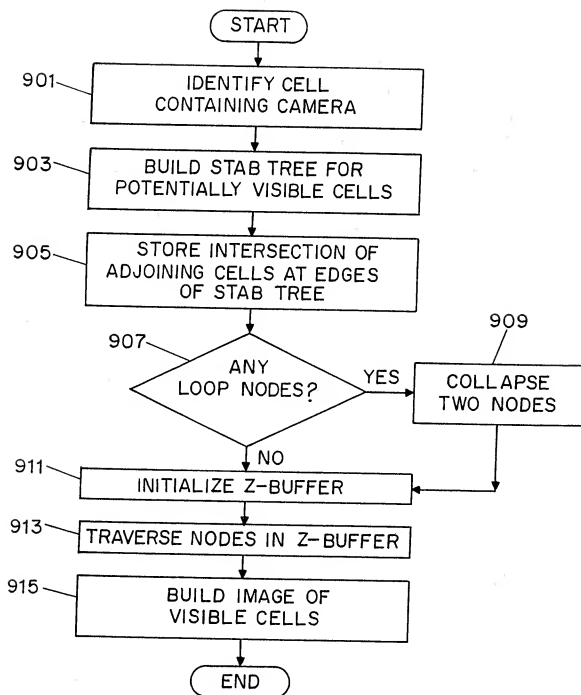


FIG. 9

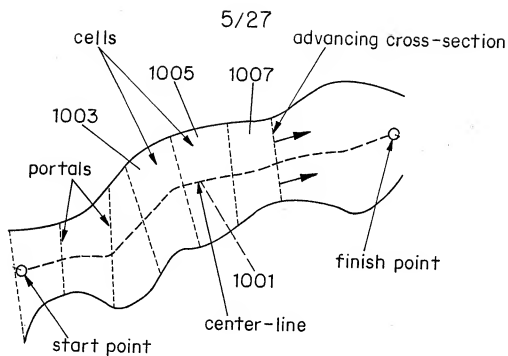


FIG. 10

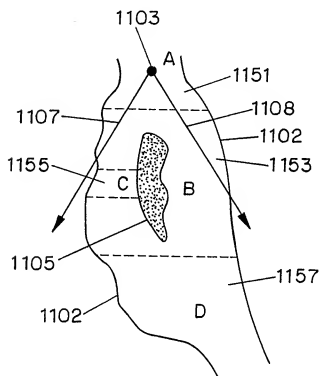


FIG. 11(a)

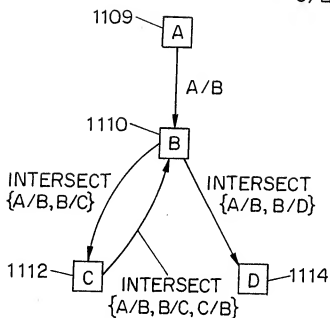


FIG. 11(b)

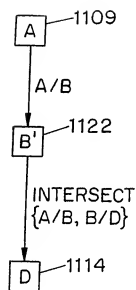


FIG. 11(c)

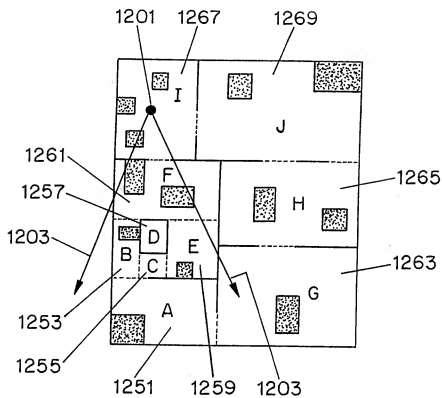


FIG. 12(a)

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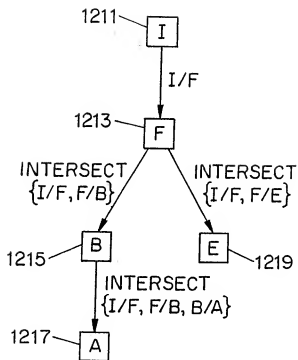
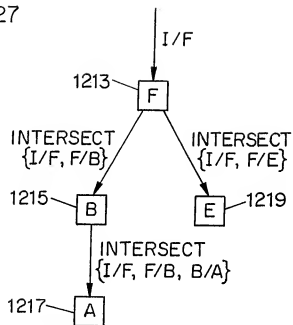


FIG. 12(b)



RENDERED NODES {I}
SKIPPED NODES { }

FIG. 12(c)

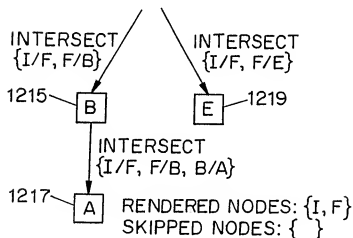


FIG. 12(d)

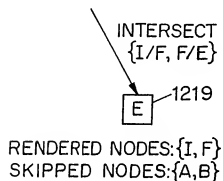


FIG. 12(e)

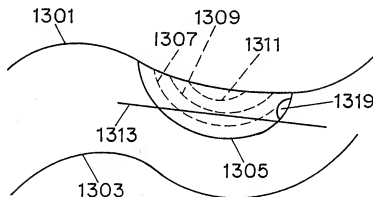


FIG. 13

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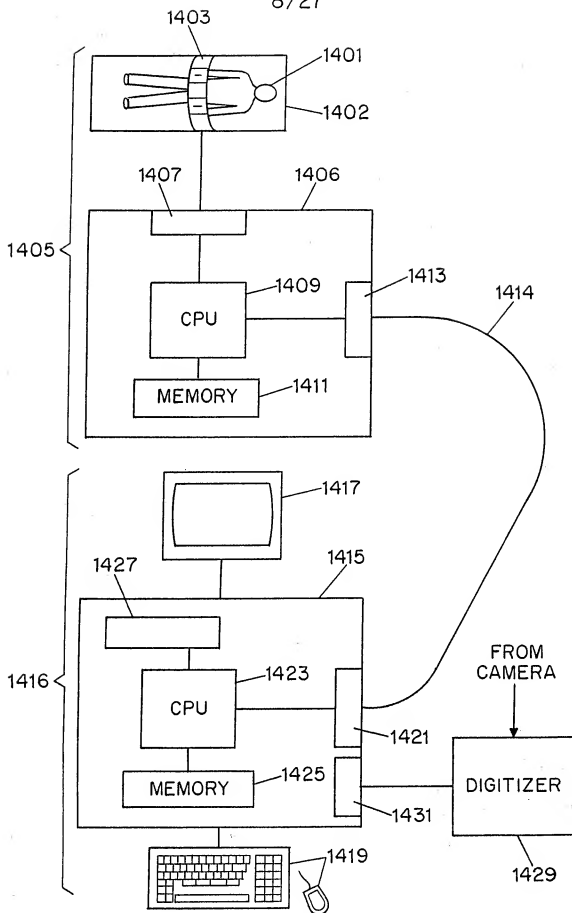


FIG. 14

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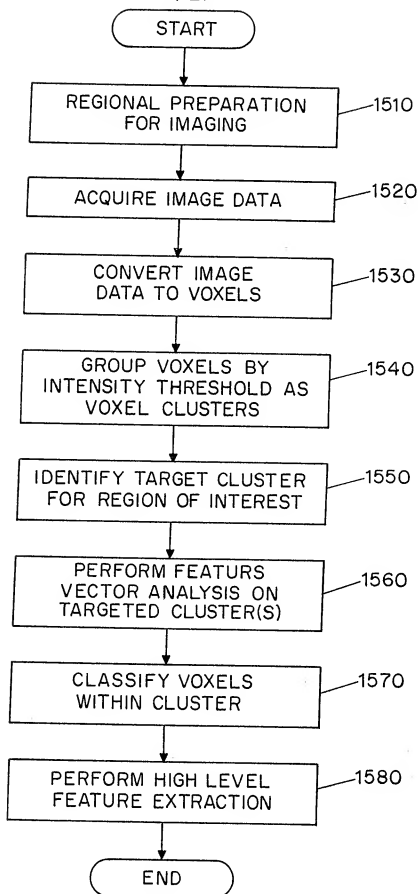


FIG. 15

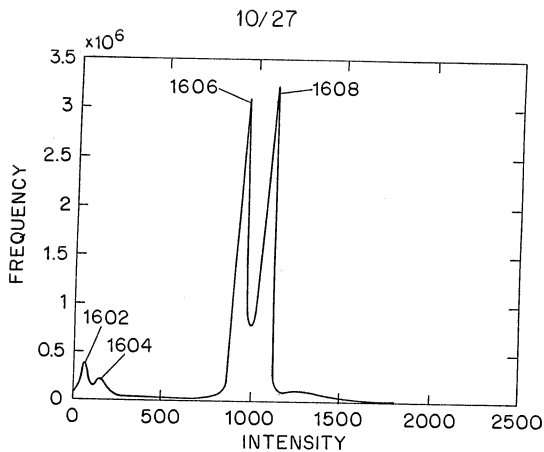


FIG. 16

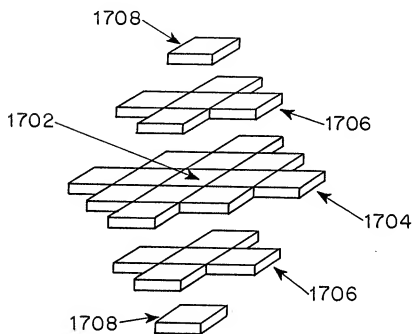


FIG. 17

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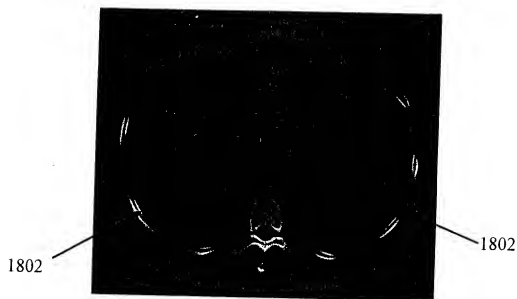


FIG. 18A

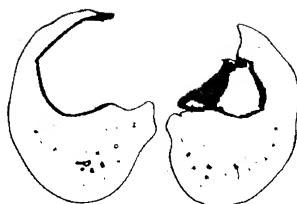


FIG. 18B



FIG. 18C

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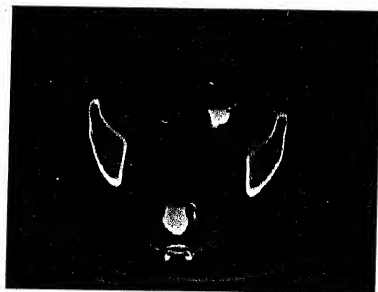


FIG. 19A

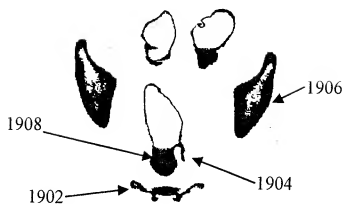


FIG. 19B



FIG. 19C

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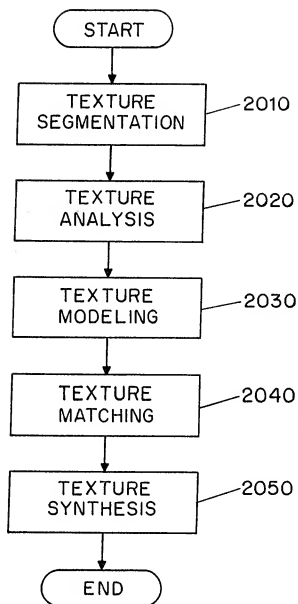


FIG. 20

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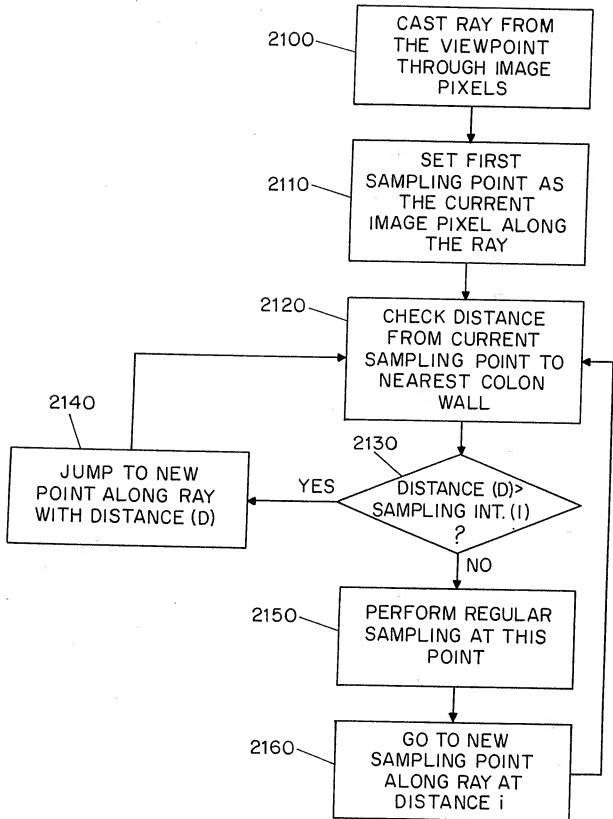


FIG. 21

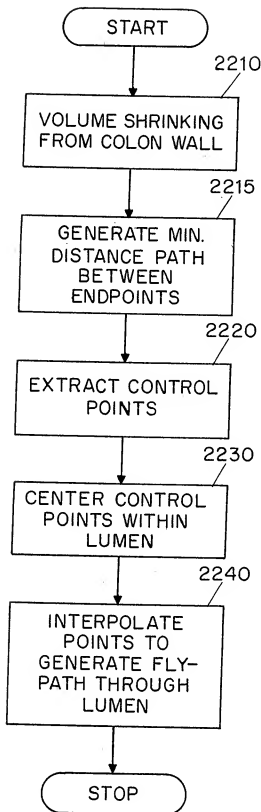


FIG. 22

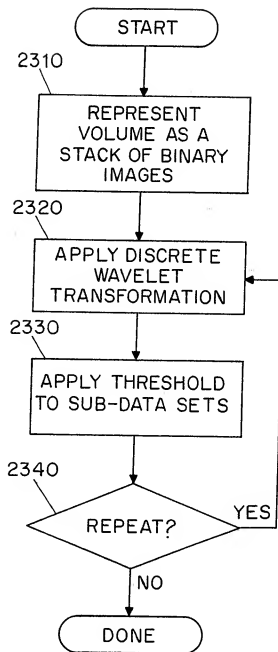


FIG. 23

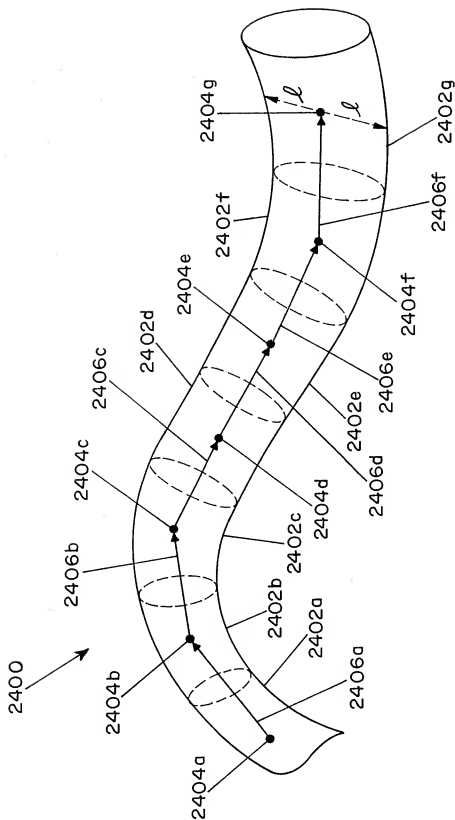


FIG. 24

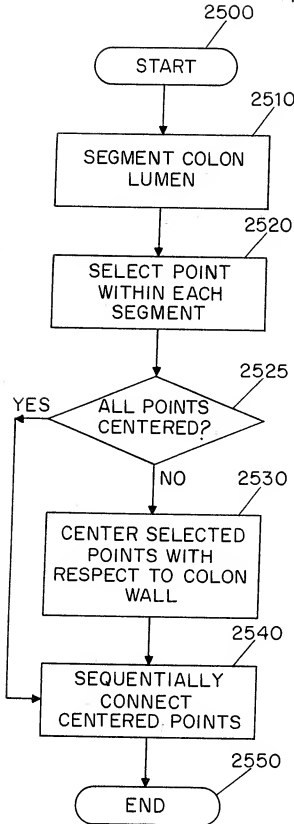


FIG. 25

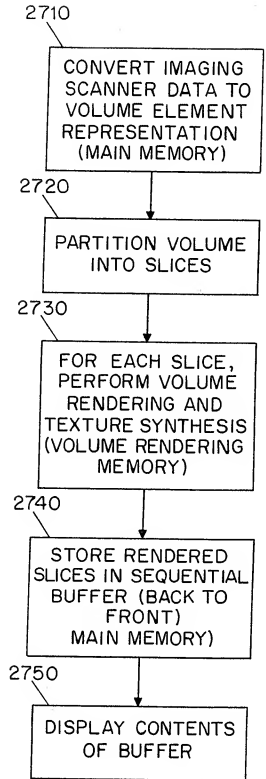


FIG. 27

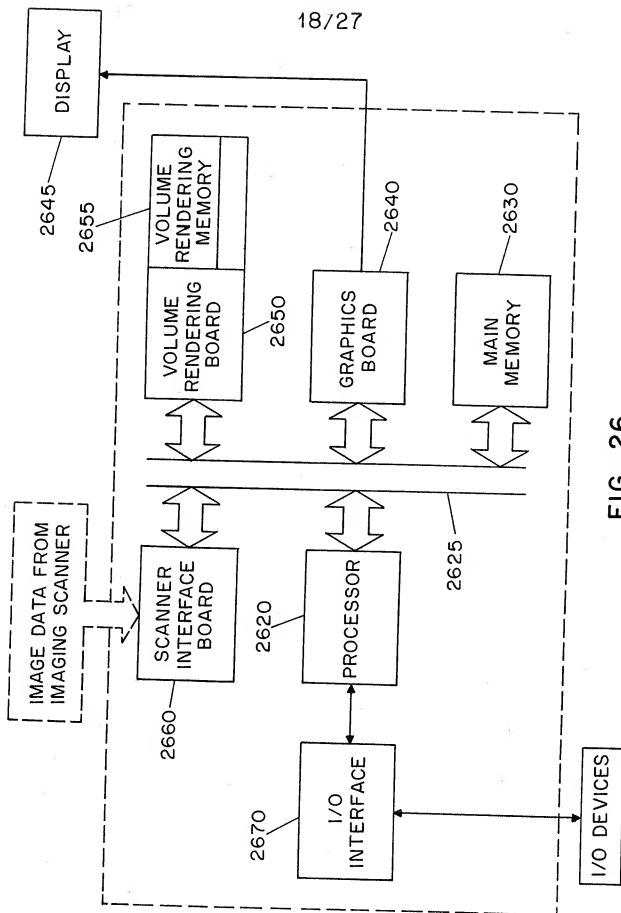


FIG. 26

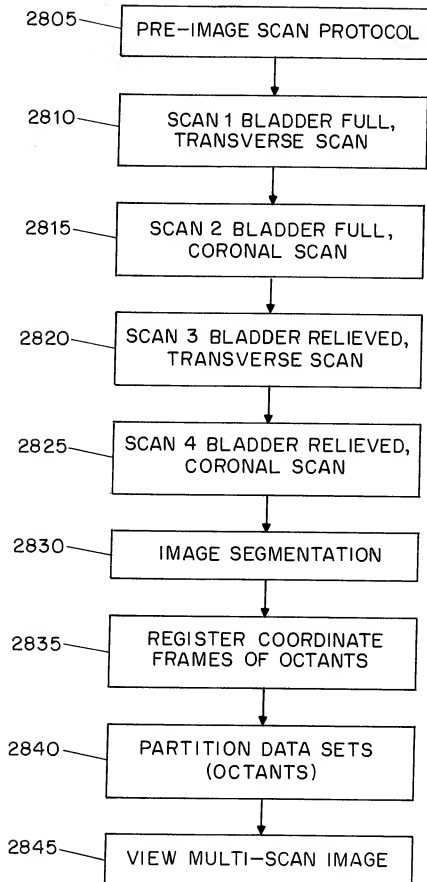


FIG. 28

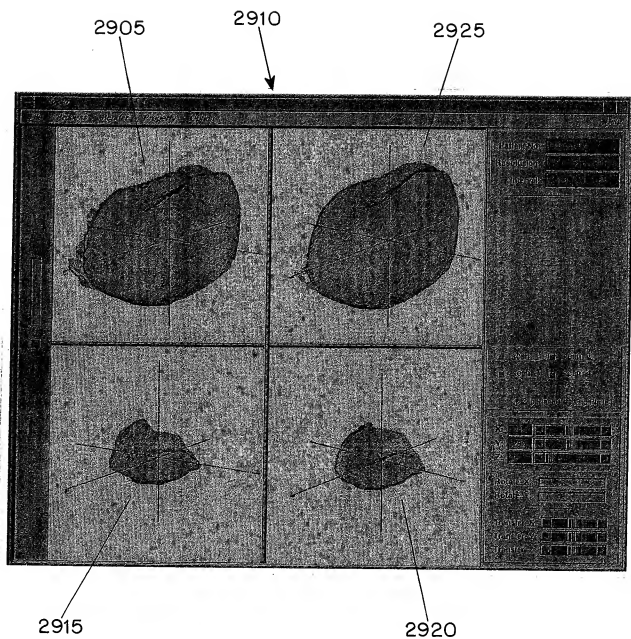


FIG. 29

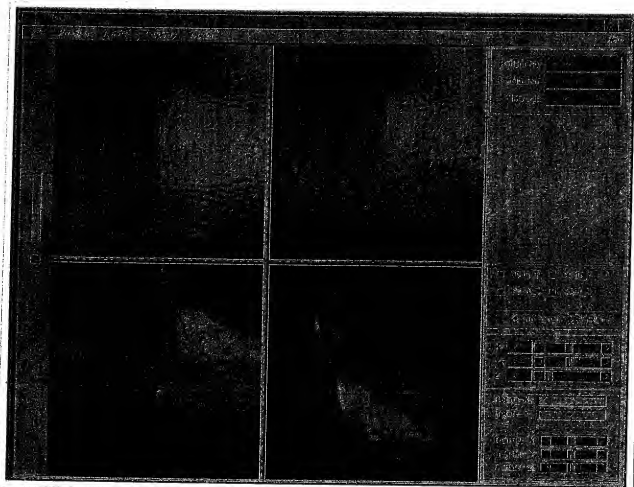


FIG. 30

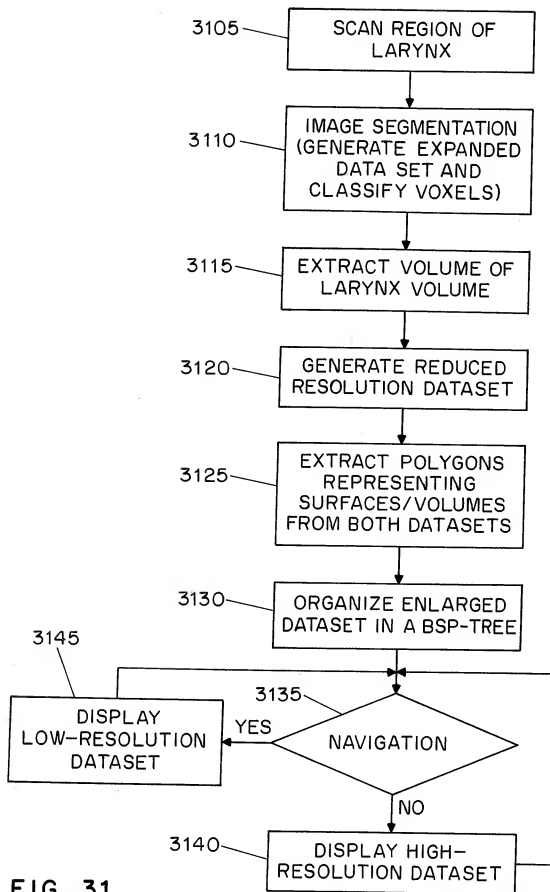


FIG. 31

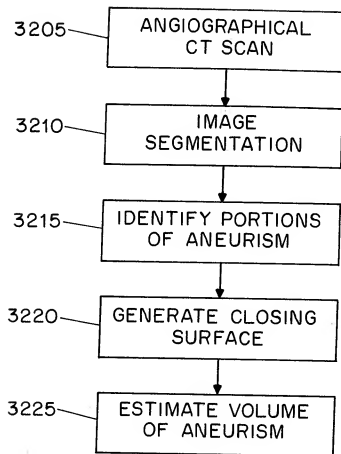


FIG. 32

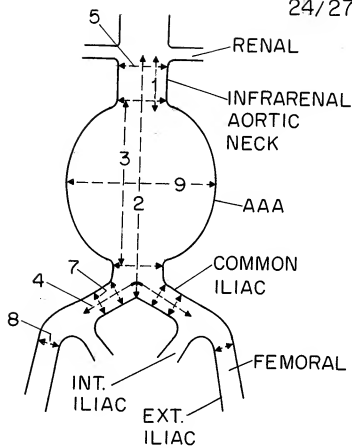


FIG. 33A

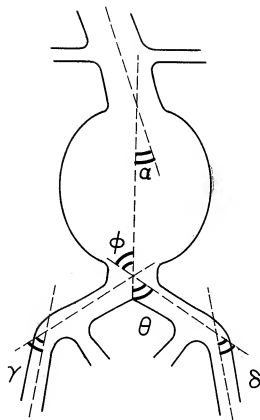


FIG. 33B

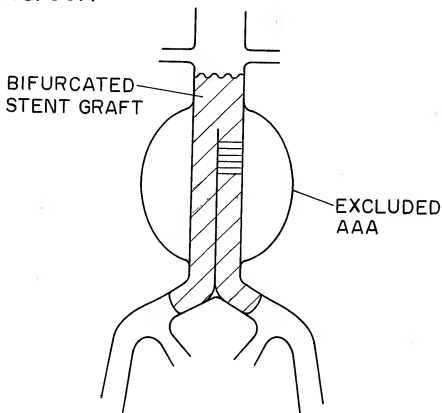


FIG. 33C

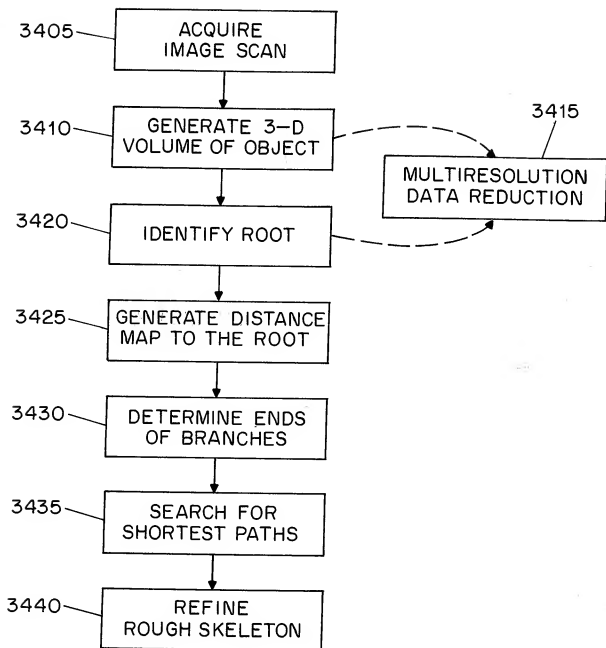


FIG. 34

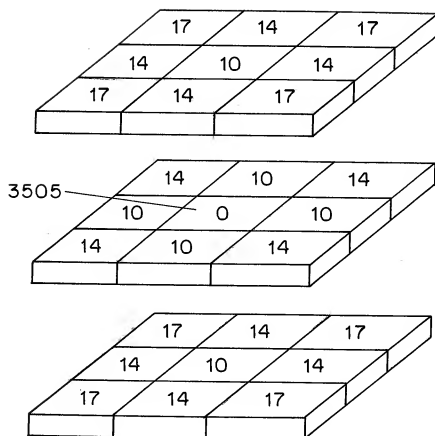


FIG. 35

```

1) Label root voxel with integer 0;
2) Construct a queue and line up the root in the queue;
3) If (There is at least one voxel in the queue)
    Serve the voxel x on the top of the queue;
    For (each of x's 26-connected neighbor voxel y) {
        If (y in the volume and has not been labeled yet) {
            Line up the y in the queue;

            /* label the voxel y */
            Set dist = 999999;
            For (each of y's 26-connected neighbor voxel z) {
                If (z in the volume and has been already labeled with an
                    integer of  $n_z$ ) {
                     $d_z \equiv n_z + d(y, z)$ ;
                    where  $d(y, z)$  is 10, 14 or 17 if the Euclidean distance
                        between y and z is
                    1,  $\sqrt{2}$ , or  $\sqrt{3}$ , respectively;
                }
                If ( $dist > d_z$ ) {
                    label y with integer  $dist$ ;
                     $dist = d_z$ ;
                }
            }
        }
    }
    x leaves the queue;
}
Else {
    end of calculating the distance map.
}

```

FIG. 36